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for application S.N. 10/783,022

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Japanese Published Unexamined Utility Patent Application (U) No. 02-142803, published December 4, 1990; Application Filing No. 01-51528, filed April 28, 1989; Inventor(s): Yoshiki Sano et al.; Assignee: Nippon Electric Corporation; Japanese Title: Device for Removing Primary Coat of Optic Fiber

DEVICE FOR REMOVING PRIMARY COAT OF OPTIC FIBER

CLAIM(S)

A device for removing a primary coat of optic fiber, characterized in that both leading edges of U-shaped leaf spring that can be elastically returned are equipped with synthetic resin paw blades with an acute angle, respectively, and in that both leading edges can be engaged with each other.

DETAILED DESCRIPTION OF THE INVENTION

(Field of Industrial Application)

The present invention pertains to a connector for optical communication, particularly, to an operation to remove a primary coat of optical fiber when a terminal for an optical connector is processed.

(Prior Art)

In the prior art operation of this type, the primary coat of optic fiber was removed manually by using finger nails.

(Problems of the Prior Art to Be Addressed)

With the aforementioned prior art method, however, the operability was poor due to use of finger nails, and a product quality lacked stability.

(Means to Solve the Problems)

The device for removing the primary coat of optical connector has a movable section of a leaf spring that elastically returns and the primary coat-removing section which is a paw edge with an acute angle.

(Embodiment Example)

The present invention is explained below with reference to the figures.

Fig. 1 shows an oblique view of one embodiment example of the present invention. In the figure, 1 indicates the leaf spring, 2 the paw blade, and 3 the screw for securing 2 to 1.

The method for using it is explained below.

First, a protection film is removed by a specific size in the preliminary process, and the optic fiber cable from which the core wire is exposed is inserted between the paw edges. 2. Then, a proper level of pressure is exerted on the leaf spring 1, and the optic fiber cable is pulled out in the leading edge direction of the optic fiber cable to remove the primary coat.

(Advantage of the Invention)

As explained above, since the primary coat is removed by the paw edge whose leading edge

has an acute angle, the operator does not need to use a high skill of removing by finger nails, which produces advantages of operational efficiency and of improved product quality.

BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 shows an oblique view of the embodiment example of the present invention. Fig. 2 shows its side view.

1. leaf spring
2. paw edge
3. screw
4. core wire
5. primary coat
6. optic fiber cable

This patent, for its being a utility model, is not stored in the West, and therefore the drawings cannot be attached.

Translations
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